

Spectra PowerTwin 120-Series

Technical Data



Features

- Pre-defined Panel-PC Systems
- Intel® Atom™ x6425E
- 1 x mPCIe
- 3 x USB 3.2 Gen 2, 1 x USB 2.0
- 2 x GLAN, 3 x COM, 1 x DP, 1 x VGA
- Windows® 10 IoT Enterprise LTSC

Modell	Spectra PowerTwin 120-08	Spectra PowerTwin 120-10	Spectra PowerTwin 120-10H	Spectra PowerTwin 120-12H
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Display

Size / Aspect ratio	8.4" / 4:3	10.4" / 4:3		12.1" / 4:3
Resolution	800 x 600	800 x 600	1024 x 768	1024 x 768
Brightness (cd/m2)	400	400		500
Touchscreen	capacitive or resistive			
Mounting cutout (W x H)	248 x 172 mm	281 x 213 mm		331 x 251 mm
Dimensions (W x H x D)	262 x 186 x 69,5 mm	295 x 227 x 69,5 mm		345 x 265 x 70 mm
Weight (net/gross in kg)	3,6/5,3	4,2/6,0		5,2/6,7

Modell	Spectra PowerTwin 120-15	Spectra PowerTwin 120-15W	Spectra PowerTwin 120-17
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Display

Size / Aspect ratio	15" / 4:3	15.6" / 16:9	17" / 5:4
Resolution	1024 x 768	1366 x 768	1280 x 1024
Brightness (cd/m2)	350	400	350
Touchscreen	capacitive or resistive		
Mounting cutout (W x H)	394 x 298,5 mm	406 x 240 mm	436 x 366 mm
Dimensions (W x H x D)	408 x 312 x 72,5 mm	420 x 254 x 79,5 mm	450 x 350 x 76,5 mm
Weight (net/gross in kg)	6,4/8,6	6,4/8,6	7,6/10,2

Modell	Spectra PowerTwin 120-19	Spectra PowerTwin 120-21W	Spectra PowerTwin 120-24W
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Display

Size / Aspect ratio	19" / 5:4	21.5" / 16:9	24" / 16:9
Resolution	1280 x 1024	1920 x 1080	1920 x 1080
Brightness (cd/m2)	350	350	350
Touchscreen	capacitive or resistive		
Mounting cutout (W x H)	496 x 375 mm	536 x 316,5 mm	591 x 359 mm
Dimensions (W x H x D)	510 x 389 x 76,5 mm	550 x 330,5 x 76,5 mm	605 x 373 x 76,5 mm
Weight (net/gross in kg)	9,0/11,6	8,5/11,4	8,9/11,8

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	with standard temperature range	with extended temperature range
System configuration		
Processor	Intel® Atom™ x6425E 4 Cores / 8 Threads / 2,0-3,0 GHz	
RAM	8 GB	8 GB WT
Storage	128 GB 2.5" SATA-6G	128 GB 2.5" SATA-6G WT
OS	Microsoft® Windows® 10 IoT Enterprise 2021 LTSC, 64-bit, german / english	
Operating temperature	0°C ~ +45°C	-40°C ~ +70°C
Controllers & Interfaces		
Ethernet	2x Intel® i210 Gigabit-LAN, 2 x RJ45	
Graphics	integrated in CPU, 1 x DP (4096 x 2304 4K), 1 x VGA (1920 x 1200 FHD)	
Audio	Realtek ALC888 Codec, 1 x Line-out, 1 x Mic-in, Loudspeaker: 2 x 2 W	
Further I/O	3 x USB 3.2 Gen2, 1 x USB 2.0, 3 x RS-232/422/485, DIO: 4 in-/4 outputs	
Drives & Expansions		
Storage Slots (free)	1 x SIM, 1 x mSATA (over mPCIe)	
PCI/PCIe Slots	-	
mPCIe Slots	1 x Full-Size for WiFi / GSM or expansion cards or mSATA	
M.2 Slots	1 x M.2 2230 E-Key (CNVi)	
Antenna breakouts	4 x for wireless communication	
Further Data		
Power	AT/ATX 9~48 V DC	
Mounting	Panel, Wall, VESA 100	
Warranty	24 months	

Equipment variants – Ask us!

- CPU alternative: Intel Atom x6211E
- Further functions: PoE, Power Ignition

Interfaces

